

Appl. No. 09/729,626
Atty. Docket No. 7880M
Amtd. dated April 5, 2004
Reply to Final Rejection of December 19, 2003

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1. (*Currently Amended*) A disposable macroscopically three-dimensional non-apertured cleaning sheet for cleaning a surface having particulate soils, said cleaning sheet comprising a first layer of nonwoven material, a second layer of nonwoven material wherein said first layer is entangled to said second layer, wherein said first and second layers form a structure having a working face and a back face, wherein the working face comprises non-random raised regions and recessed regions, wherein said working face has an Average Height Differential of at least about 1 mm, wherein said recessed regions form a continuous pattern in the X-Y dimension surrounding discrete raised regions wherein said continuous recessed pattern comprises channels having a width of between about 1 mm to about 8 mm and wherein said non-random raised regions and said recessed regions form pockets on the surface of said working face for trapping particulates from said surface to be cleaned.

Claim 2. (*Previously Presented*) The non-apertured cleaning sheet of Claim 1 wherein said first layer and said second layer of said structure consists of material formed by hydroentanglement of fibers selected from the group consisting of natural fibers, polyolefins, polyesters, polyamides, synthetic cellulose, biodegradable fibers, bicomponent fibers, and blends thereof.

Claim 3. (*Previously Presented*) The cleaning sheet of Claim 2 wherein said first layer and said second layer of said structure consists of hydroentangled carded polyester fiber.

Claims 4-5. (*Cancelled*)

Claim 6. (*Original*) The non-apertured cleaning sheet of Claim ~~[[3]]~~ 1 wherein the Average Height Differential of the working face is at least about 1.5 mm.

Claims 7-10. (*Cancelled*)

Claim 11. (*Currently Amended*) The non-apertured cleaning sheet of Claim ~~[[8]]~~ 6 wherein the discrete raised surface is in the shape of a rounded parallelogram having a height

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of from about 6.0 mm to about 7.0 mm, a short diagonal of from about 6.5 mm to about 7.5 mm, and a long diagonal of from about 9.0 mm to about 10.0 mm.

Claim 12. (*Currently Amended*) The non-apertured cleaning sheet of Claim [[8]]_6 wherein the discrete raised surface is in the shape of a wineskin having a width of from about 2.7 mm to about 3.7 mm, a base of from about 1.0 mm to about 2.0 mm, a height of from about 3.2 mm to about 4.2 mm, and a neck from about 0.5 mm to about 1.5 mm.

Claim 13. (*Currently Amended*) The non-apertured cleaning sheet of Claim [[8]]_6 wherein the discrete raised surface is in the shape of a pie piece having side lengths of from about 2.0 mm to about 3.0 mm and a base lengths of from about 1.0 mm to about 2.0 mm, and having an included angle between the two sides of from about 55° to about 65°.

Claim 14. (*Currently Amended*) The non-apertured cleaning sheet of Claim [[8]]_6 wherein the discrete raised surface is in the shape of a waved rectangle having a length of 4.0 mm to about 5.0 mm and a width of from about 1.5 mm to about 2.5 mm.

Claim 15. (*Original*) The non-apertured cleaning sheet of Claim 1 which further comprises a scrim.

Claim 16. (*Currently Amended*) The non-apertured cleaning sheet of Claim [[8]]_6 which further comprises a scrim.

Claim 17. (*Previously Presented*) The non-apertured cleaning sheet of Claim 15 wherein the scrim is derived from a polyolefin.

Claim 18. (*Original*) The non-apertured cleaning sheet of Claim 15 wherein the scrim is derived from material selected from the group consisting of polypropylene, polyethylene, ethyl vinyl acetate, and mixtures thereof.

Claims 19-20 (Cancelled)

Claim 21. (*Previously Presented*) The non-apertured cleaning sheet of Claim 18 having an additive wherein said additive is included at an add-on level of at least about 0.01%, by weight of the sheet.

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Claim 22. (*Previously Presented*) The non-apertured cleaning sheet of Claim 1 having an additive wherein said additive is included at an add-on level of at least about 1%, by weight of the sheet.

Claim 23. (*Previously Presented*) The non-apertured cleaning sheet of Claim 22 wherein said additive is included at an add-on level of from about 1 to about 15%, by weight of the sheet.

Claim 24. (*Previously Presented*) The non-apertured cleaning sheet of Claim 23 wherein additive is included at an add-on level of from about 3 to about 10%, by weight of the sheet.

Claim 25. (*Original*) The non-apertured cleaning sheet of Claim 22 wherein the additive is a mixture of mineral oil and a wax.

Claims 26-30 (Cancelled)

Claim 31. (*Original*) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim 1.

Claim 32. (*Original*) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim 6.

Claim 33. (*Currently Amended*) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim

[[8]] 22.

Claim 34. (*Original*) A cleaning implement comprising:

- a. a handle; and
- b. a removable cleaning sheet, wherein the cleaning sheet is the sheet of Claim

13.

Claims 35-36. (Cancelled)

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Claim 37. (Original) A method for cleaning a surface comprising contacting the surface with the working face of the cleaning sheet of Claim 1.

Claim 38. (Currently Amended) A method for cleaning a surface comprising contacting the surface with the working face of the cleaning sheet of Claim ~~[[13]]~~ 6.

Claims 39-46 (Cancelled)

Claim 47. (New) The cleaning sheet of claim 22 wherein said additive is applied to said continuous pattern.

Claim 48. (New) The cleaning sheet of claim 47 wherein said cleaning sheet is folded such that said working face faces outwardly.

Claim 49. (New) A disposable macroscopically three-dimensional cleaning sheet for cleaning a surface having particulate soils, said cleaning sheet comprising:

at least layer of nonwoven material having a working face and a back face, wherein said working face comprises non-random raised regions and recessed regions wherein said recessed regions form a continuous pattern in the X-Y dimension surrounding discrete raised regions wherein said continuous recessed pattern comprises channels and wherein said working face has an Average Height Differential of at least about 1 mm.

Claim 50. (New) The disposable cleaning sheet of claim 49 wherein said channels have a width of between about 0.25 mm to about 10 mm

Claim 51. (New) The disposable cleaning sheet of Claim 50 wherein said channels have a width of between about 1 mm to about 8 mm.

Claim 52. (New) The disposable cleaning sheet of Claim 49 wherein the Average Height Differential of the working face is at least about 1.5 mm.

Claim 53. (New) The disposable cleaning sheet of Claim 49 further comprising an additive for improving the adherence of said particulate soil to said cleaning sheet wherein said additive is included at an add-on level of at least about 0.01%, by weight of the sheet.

Claim 54. (New) The disposable cleaning sheet of Claim 53 wherein said additive is included at an add-on level of at least about 1%, by weight of the sheet.

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Claim 55. (New) The disposable cleaning sheet of Claim 54 wherein said additive is included at an add-on level of from about 1% to about 15%, by weight of the sheet.

Claim 56. (New) The disposable cleaning sheet of claim 50 wherein said discrete raised regions have a rounded parallelogram shape in the X-Y dimension.

Claim 57. (New) The disposable cleaning sheet of claim 53 wherein said additive is applied to said continuous pattern.

Claim 58. (New) The disposable cleaning sheet of claim 57 wherein said cleaning sheet is folded such that said working face faces outwardly.

Claim 59. (New) The disposable cleaning sheet of claim 53 wherein said cleaning sheet is made of a single layer of nonwoven material.

Claim 60. (New) A cleaning implement comprising:

- a. a handle; and
- b. a removable and disposable cleaning sheet, wherein the cleaning sheet is the sheet of Claim 49.

Claim 61. (New) A method of cleaning a floor surface comprising contacting the surface with the working face of the cleaning sheet of Claim 49.